

## Understanding the Cosmic Microwave Background

1. What is the CMB? What significant event happened in cosmic history to produce it? When did this event occur?
2. How do temperature & density relate—why?
3. Although the discovery that the CMB is virtually the same temperature everywhere was significant, the slight variations in temperature are now of great interest—why? What do these “wrinkles in time” have to do with the history of the universe?
4. Below are some other pictures of the CMB. Why do they appear so different from the one you colored? What are the differences?

